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|-------------------------------|--------------------|-----------------|
| <b>Notice of Allowability</b> | Application No.    | Applicant(s)    |
|                               | 09/812,057         | TANRIKULU, OGUZ |
|                               | Examiner           | Art Unit        |
|                               | Jefferey F. Harold | 2646            |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to telephone interview held on July 28, 2005.
2.  The allowed claim(s) is/are 1-54.
3.  The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*
  - c)  None
 of the:
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

**DETAILED ACTION**

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

***Attorney Authorization***

2. Authorization for this examiner's amendment was given in a telephone interview with Mark Solomon on July 28, 2005.

***Amendment to the Claims***

3. The application has been amended as follows:

- (i) In claim 1, line 6 after –signal- insert “as having a given communication protocol from among multiple communication protocols”;
- (ii) In claim 1, delete lines 8 and 9; insert “instantiating a given validation detector from among a selected group of validation detectors, the given validation detector being associated with the given communication protocol of the classified subject signal to validate the subject signal”;
- (iii) In claim 22, line 8 after – subject signal,- insert “as having a given communication protocol from among multiple communication protocols”;

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- (iv) In claim 22, line 10 remove –at least one validation...classified subject signal-- and insert " at least one given validation detector, from among a selected group of validation detectors, said at least one given validation detector being associated with the given communication protocol of the classified subject signal to validate the subject signal";
- (v) In claim 22, line 12 after –at least one—insert "given";
- (vi) In claim 43, line 6, after –subject signal—insert "as having a given communication protocol from among multiple communication protocols";
- (vii) In claim 43, line 8, after –means for instantiating—insert " a given validation detector from among a selected group of validation detectors, the given validation detector being associated with the given communication protocol of the";
- (viii) In claim 43, line 8 remove "a validation detector related to a protocol of the"
- (ix) In claim 44, line 7, after –signal- insert "as having a given communication protocol from among multiple communication protocols";
- (x) In claim 44, delete lines 9 and 10; insert "instantiating a given validation detector from among a selected group of validation detectors, the given validation detector being associated with the given communication protocol of the classified subject signal to validate the subject signal";
- (xi) In claim 45, line 12, after –signal- insert "as having a given communication protocol from among multiple communication protocols";
- (xii) In claim 45, delete lines 14 and 15; insert "instantiating a given validation detector from among a selected group of validation detectors, the given validation

detector being associated with the given communication protocol of the classified analog signal to validate the analog signal”;

(xiii) In claim 46, line 2, after –having a—insert “given communication”;

(xiv) In claim 46, line 10, after--analog signal-- insert “as having a given communication protocol”;

(xv) In claim 46, delete lines 12 and 13; insert “means for instantiating a given validation detector from among a selected group of validation detectors, the given validation detector being associated with the given communication protocol of the classified analog signal to validate the received analog signal”;

(xvi) In claim 48, line 2, after –having a—insert “given communication”;

(xvii) In claim 48, line 5, after--received signal-- insert “as having a given communication protocol”;

(xviii) In claim 48, delete lines 7 and 8; insert “means for instantiating a given validation detector from among a selected group of validation detectors, the given validation detector being associated with the given communication protocol of the classified received signal to validate the received signal”;

(xix) In claim 49, line 10, after--subject signal-- insert “as having a given communication protocol from among multiple communication protocols”;

(xx) In claim 49, delete lines 12 and 13; insert “instantiate a given validation detector from among a selected group of validation detectors, the given validation detector being associated with the given communication protocol of the classified analog signal to validate the subject signal”;

- (xxi) In claim 50, line 7, after—signals, instantiating a-- insert “given”;
- (xxii) In claim 50, line 7, remove “related to”
- (xxiii) In claim 50, line 7, after –validation detector-- insert “from among a selected group of validation detectors, the given validation detector being associated with the given communication”;

***Allowable Subject Matter***

3. **Claims 1- 54** are allowed.
4. The following is an examiner’s statement of reasons for allowance:

Regarding claims 1, 22, 43, 44, 45, 46, 48, 49, and 50 the prior art of record failed to disclose or fairly suggest a method and apparatus for classifying a signal wherein the signal is classified as having a given communication protocol from among multiple communication protocols (i.e. DTMF, MFR-1, MFR-2, etc). Instantiating (i.e. activating) a given validation detector from among a selected group of validation detectors, the detector being associated with the given communication protocol of the classified subject signal to validate the subject signal.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jefferey F. Harold whose telephone number is 571-272-7519. The examiner can normally be reached on Monday - Friday 9 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh H. Tran can be reached on 571-272-7564. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Jefferey F Harold  
Primary Examiner  
Art Unit 2646



JFH  
August 14, 2005